

Title (en)

DEUTERATED BENZOQUINOLIZINE DERIVATIVES AS INHIBITORS OF VESICULAR MONOAMINE TRANSPORTER 2

Title (de)

DEUTERIERTE BENZOCHINOLIZINDERIVATE ALS HEMMER DES VESIKULÄREN MONOAMINTRANSPORTERS 2

Title (fr)

DÉRIVÉS DEUTÉRÉS DE BENZOQUINOLIZINE EN TANT QU'INHIBITEURS DU TRANSPORTEUR DE MONOAMINE VESICULAIRE 2

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Abstract (en)

[origin: WO2010044981A2] The present invention relates to new benzoquinoline inhibitors of vesicular monoamine transporter 2 (VMAT2), pharmaceutical compositions thereof, and methods of use thereof.

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US 2009057480 W 20090918; AU 2009303758 A 20090918; BR PI0913457 A 20090918; CA 2736409 A 20090918; CA 2972242 A 20090918; CN 200980141378 A 20090918; CN 201410524867 A 20090918; CY 181100152 T 20180207; DK 09820972 T 20090918; DK 15185548 T 20090918; EP 09820972 A 20090918; EP 13160950 A 20090918; EP 15185548 A 20090918; EP 17199778 A 20090918; ES 09820972 T 20090918; ES 13160950 T 20090918; ES 15185548 T 20090918; ES 17199778 T 20090918; HK 13114111 A 20131220; HK 16111056 A 20160921; HK 19100241 A 20190108; HR P20180239 T 20180207; HU E15185548 A 20090918; JP 2011527995 A 20090918; JP 2014185634 A 20140911; JP 2016136178 A 20160708; LT 15185548 T 20090918; NO 15185548 A 20090918; NZ 59161509 A 20090918; PL 15185548 T 20090918; PT 15185548 T 20090918; SI 200931797 T 20090918; US 201313934960 A 20130703; US 201414224883 A 20140325; US 201414225010 A 20140325; US 201414454911 A 20140808; US 201414515047 A 20141015; US 201514807364 A 20150723; US 201615041571 A 20160211; US 201615094517 A 20160408; US 201615254912 A 20160901; US 201615257372 A 20160906; US 201715445402 A 20170228; US 201816210077 A 20181205; US 202016821067 A 20200317; US 202117519922 A 20211105; US 56262109 A 20090918